United States Patent [19]

Hurley

[11] **3,903,789**

[45] **Sept. 9, 1975**

[54] **CONTAINER FOR NEWSPAPER COLLECTION**

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[73] Assignee: **Hoerner Waldorf Corporation**, St. Paul, Minn.

[22] Filed: **Mar. 29, 1974**

[21] Appl. No.: **456,077**

[52] **U.S. Cl.** ..... **100/34**; 211/50; 229/16 R

[51] **Int. Cl.²** **B65B 13/00**

[58] **Field of Search** ..... 100/1, 34; 229/16 R; 211/50

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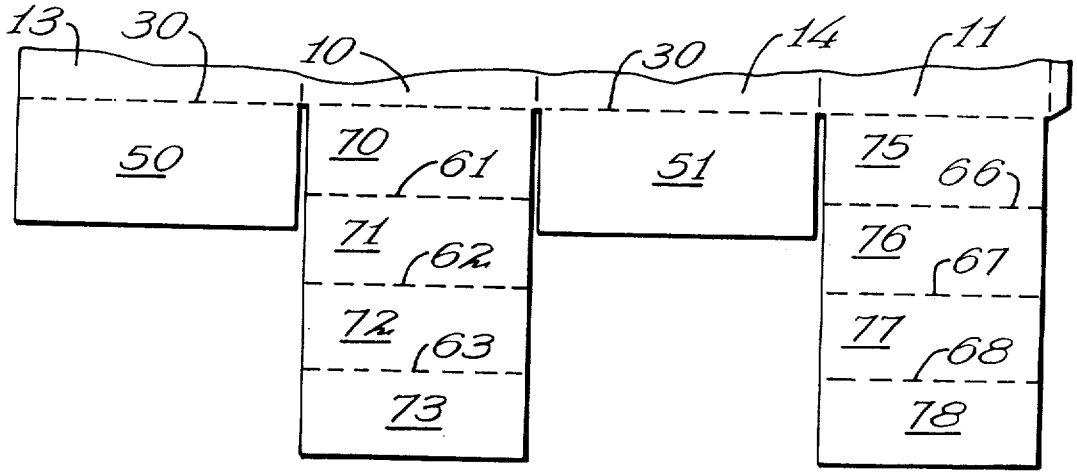
Primary Examiner—Billy J. Wilhite

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[57] **ABSTRACT**

A container and blank for same of sheet-like material such as corrugated paperboard to be employed as a collection stand for newspapers or the like. The container has a bottom area to support the stack and a front opening to provide for easy tying and removal of the stack.

3 Claims, 7 Drawing Figures



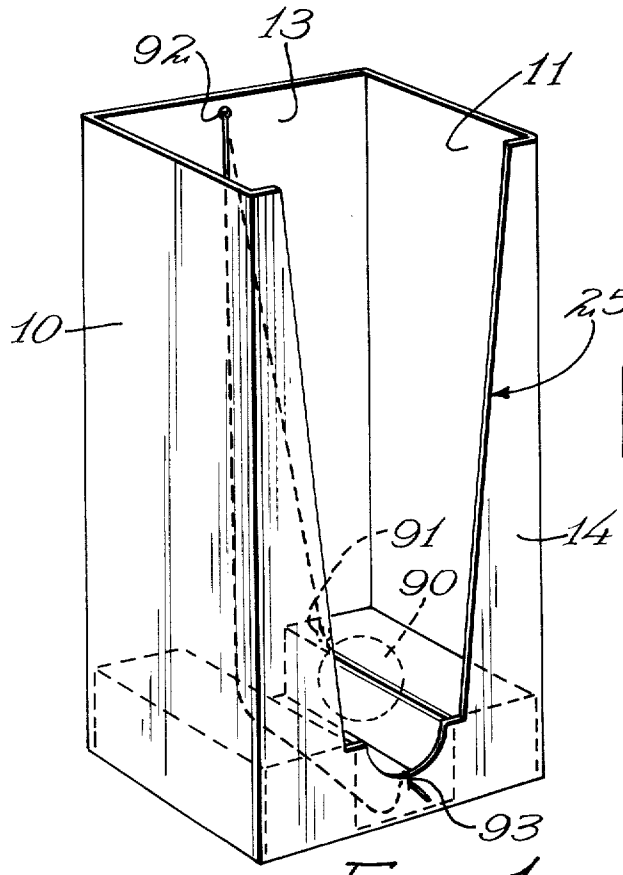


FIG. 1

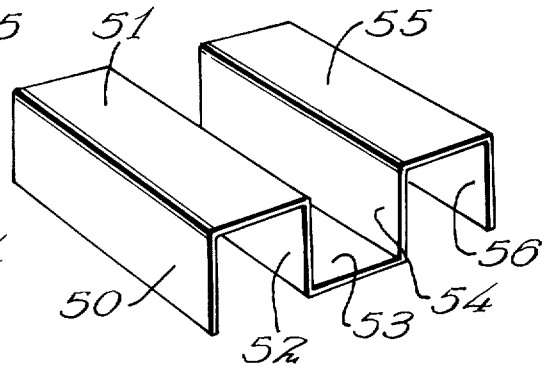


FIG. 4

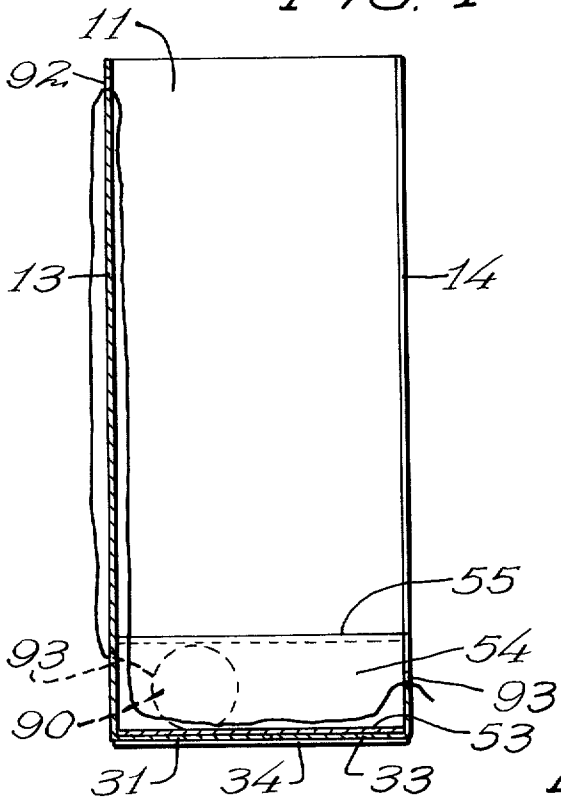


FIG. 7

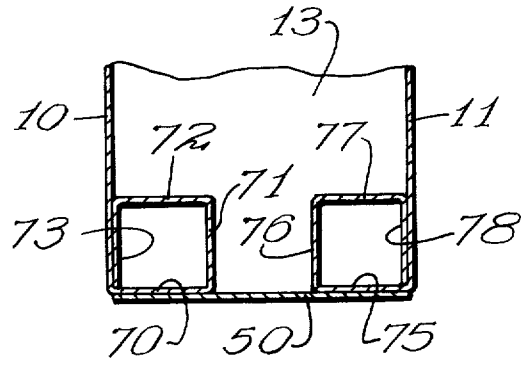


FIG. 6

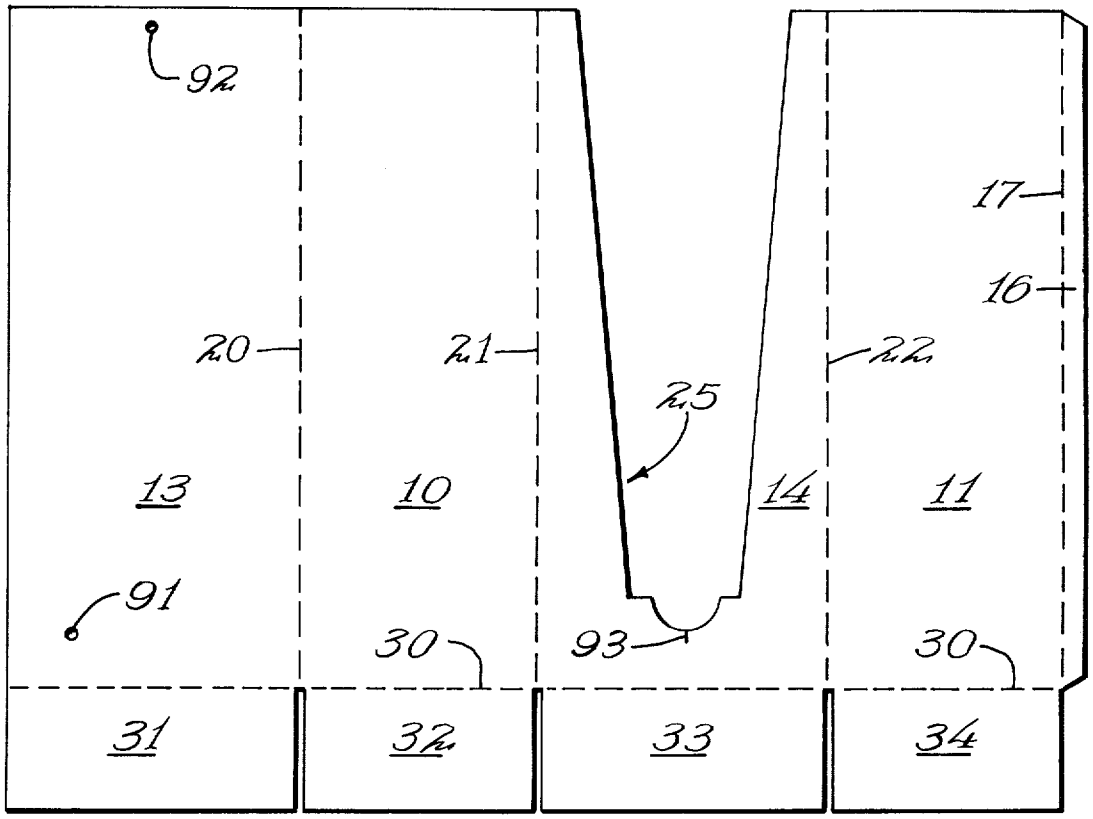


FIG. 2

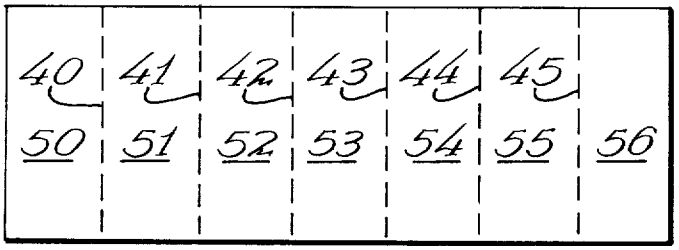


FIG. 3

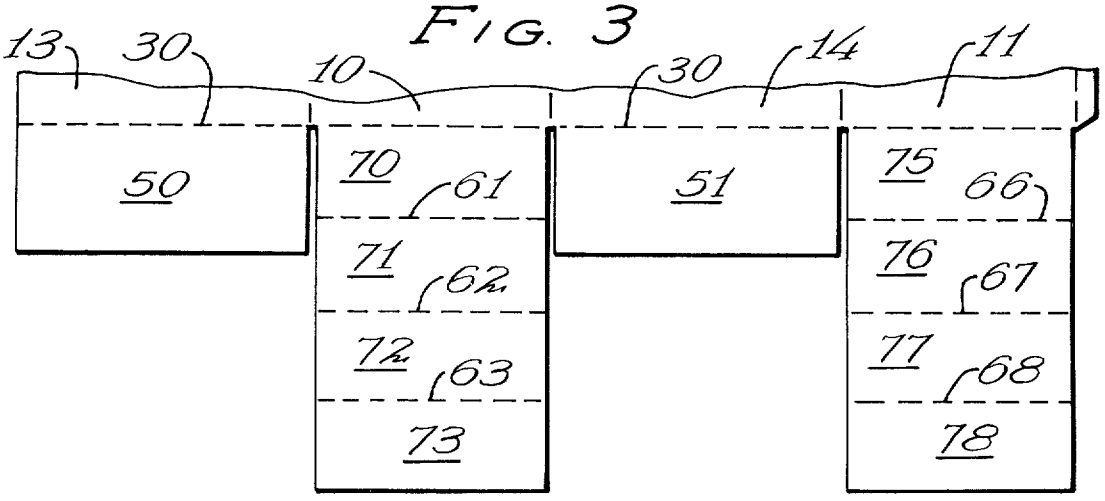


FIG. 5

CONTAINER FOR NEWSPAPER COLLECTION

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

This invention relates generally to containers and blanks for making same, and, more particularly, to containers which may be used as a collection stand for discarded newspapers or similar articles.

SUMMARY OF THE INVENTION

A novel container design and blank for making same adapted for use in collecting magazines, newspapers, or the like. An upright rectangular tube having an open top and a deep U-shaped slot in the front thereof also has a support pedestal in the bottom of the container on which the stack of papers is formed. A recess is arranged along the centerline of the support pedestal to allow easy tying and removal of bundles of papers.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a perspective view of the assembled container as described in this invention;

FIG. **2** is a plan view of a blank adapted to be erected to form a part of the container shown in FIG. **1.**

FIG. **3** is a plan view of a blank adapted to be erected to form the support pedestal in the container shown in FIG. **1**;

FIG. **4** is a perspective view of the blank of FIG. **3** folded prior to assembly in the container of FIG. **1**;

FIG. **5** is a partial plan view of a blank similar to that shown in FIG. **2**, but with an alternate arrangement of bottom closure flaps;

FIG. **6** is a front elevational section view of a portion of a container erected from a blank such as that shown in FIG. **5**;

FIG. **7** is an elevational section view of the container shown in FIG. **1**, taken along the centerline thereof.

DESCRIPTION OF THE PREFERRED EMBODIMENT

As can be seen in FIGS. **1** and **2**, the carton has four rectangularly arranged walls including a pair of side panels **10** and **11**, a back panel **13**, and a front panel **14.** These are connected to form a tubular arrangement by any conventional method such as a manufacturer's glue or stitch flap **16**, which is connected to panel **11** along fold line **17.** The individual panels **10, 11, 13** and **14** are connected along parallel fold lines seen best in FIG. **2** and designated as **20, 21** and **22.** The top of the container is left open for inserting the papers or magazines. The front panel **14** of the container has a deep, substantially U-shaped slot formed therein shown as **25** for easy access to the stack of papers for tying or removal.

The bottom of the container may be completed in different ways, and this invention specifies two of those methods. A first configuration employs a separate insert to form a pedestal. As can be seen in FIG. **2**, a fold line **30** near the bottom edge of the container blank is arranged perpendicular to the parallel fold lines **20, 21** and **22.** This fold line **30** serves as a hinged connection for bottom closure flaps **31, 32, 33** and **34.** These bottom closure flaps serve as a conventional closure for the bottom of the container and may vary within the range of standard designs and practices in the art.

This configuration requires, as mentioned, a second member or insert to serve as a pedestal support for the stack of papers. This pedestal may be formed in a blank as shown in FIG. **3** which includes a number of parallel fold lines **40, 41, 42, 43, 44** and **45** which define similar right angle panels **50, 51,** and **52, 53, 54, 55** and **56** which are folded in the manner shown in FIG. **4.** The pedestal as seen in FIG. **4** is placed in the bottom of the container. The papers or magazines rest on the surfaces **51** and **55,** and the recess between the two provides easy access to the stack, particularly where, as in FIG. **1,** the slot **25** is extended below the level of the two surfaces **51** and **55.**

An alternate configuration for the carton design is one which uses only a single blank, and in which the pedestal is formed as a part of the bottom closure assembly. FIG. **5** shows the lower portion of a blank similar to that shown in FIG. **2** with corresponding parts numbered the same. The bottom closure includes a pair of closure flaps **50** and **51** attached along the fold line **30** to the back and front panels **13** and **14,** respectively. These form the outside bottom closure of the carton. Whatever the means for supporting the stack might be, even though two separate members be used, the center should have a recess of some type therein allowing easy access to the bottom of the stack for tying and removal.

The flaps connected to the side panels **10** and **11** along fold line **30** are foldable into the pedestal for the carton. As shown in FIG. **5,** the two flaps are designated **70** and **75.** Each flap has three parallel fold lines designated **61, 62, 63,** and **66, 67, 68,** respectively. These fold lines define right angle panels **70, 71, 72, 73,** and **75, 76, 77, 78,** which are foldable as seen in the section view of FIG. **6** to form the support pedestal in the bottom of the carton. Any conventional attachment means may be used to fix the flaps in place such as stapling.

The container may be adapted to include a single twine or string dispenser seen best in FIGS. **1** and **7.** A ball of twine **90** may be placed under one side of the pedestal and the stand drawn out through a hole **91,** in the back panel **13,** and back into the carton through the hole **92** at the top of the back panel **13.** The strand may then be extended down and to the front of the container so that after a bundle of papers is collected the stand may be easily wrapped around the bundle and tied. A slit **93** is provided at the bottom of the front panel slot **25** to retain the end of the strand.

In accordance with the Patent Statutes, I have described the principles of construction and operation of my improvement in CONTAINER FOR NEWSPAPER COLLECTION; and while I have endeavored to set forth the best embodiment thereof, I desire to have it understood that obvious changes may be made within the scope of the following claims without departing from the spirit of my invention.

I claim:

1. A container made from foldable sheet-like material adapted to be used as a collection stand for newspapers or the like prior to recycling, comprising:

front, rear and side wall panels having top and bottom edges arranged and connected in a rectangular, tube-like configuration and adapted to stand upright on the bottom edges of said tube-like configuration;

said front panel having a substantially U-shaped slot cut therein extending upwards to said top edge of

said front panel and extending downwards to within a predetermined height above the bottom of said front panel;

said side wall panels being connected to either lateral edge of said front panel and having foldable bottom support flaps hingedly connected to the bottom edge thereof; and

said support flaps being foldable along fold lines parallel to said bottom edges of said side wall panels upward and inside said bottom end of said tubular arrangement to form a support pedestal above said predetermined height from said bottom of said front panel, said support pedestal having a recessed center area, said pedestal and slot thereby allowing newspapers or the like to be easily deposited and removed from said container.

2. The container of claim **1** including rectangular closure flaps hingedly connected to said bottom edges of said front and rear side wall panels, said closure flaps adapted to be folded to form an end wall closure for said bottom end of said tube-like configuration.

3. The container of claim **1** wherein said rear side wall panel has formed therein an aperture disposed near the bottom of said panel and a second aperture disposed near the top of said panel; and

means located within the bottom of said container to retain a strand of material to be used in bundling said newspapers, said strand adapted to be directed out of said bottom aperture in said rear panel and upwards along said rear panel and into said tube-like configuration through said top aperture in said rear panel and finally downward beneath said newspapers on said support pedestal and along said recessed center area, thereby allowing easy bundling and tying of said newspapers in said container prior to removal.

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